

HP Designjet Z3100 Photo Printer series



See exquisite quality using the new HP 12-ink Designjet with HP Viverna pigment inks and the first-ever embedded spectrophotometer. Get breakthrough colour accuracy across a variety of papers, and easy, reliable printing while keeping costs down.



HP Designjet Z3100 610 mm Photo Printer



HP Designjet Z3100 GP 610 mm Photo Printer



HP Designjet Z3100 1118 mm Photo Printer

Ideal for professional photographers, fine artists and pre-press professionals who need to create outstanding and long-lasting exhibition and saleable prints, digital art and contract proofs with accurate and consistent colours.

Produce exquisite, fade-resistant colour and black-and-white prints with 12 HP Viverna pigment inks.

Get water and fade resistant prints that last for up to 200 years². The HP quad-black inks: matte black, photo black, grey, and light grey deliver true grey neutrality, smooth tonal transitions and outstanding optical density. Create black-and-white prints without wasting ink or money swapping ink cartridges. Enjoy a large colour gamut with new red, green and blue inks. Have over 80% PANTONE® colours covered³. Get superior gloss uniformity and eliminate bronzing with HP gloss enhancer⁴.

HP's first-ever embedded spectrophotometer¹ delivers unrivalled colour accuracy and consistency.

Get colour accuracy on any paper - HP's first-ever embedded spectrophotometer¹ enables the printer to automatically generate custom ICC profiles for your preferred paper, simply and in less than 20 minutes. This HP Designjet provides complete coverage of SWOP, ISO, EUROSCALE and FOGRA standards for colour accuracy in pre-press applications. Expect predictable, consistent colour print after print, day by day, across all HP Designjet Z Photo Printers thanks to precise colour calibration.

Get the results you expect every time you print with HP preview and printhead technologies.

Save time and money with HP's advanced preview technologies, which help eliminate trial and error by letting you preview layout, size and position of your print on your paper. The HP Color Center tool guides you through colour management and printing. Save time and maintain your Designjet with HP Easy Printer Care Software: monitor printer and supplies status, get desktop alerts and automatic updates. Expect the best possible image quality with long-lasting printheads that are easy to replace.

¹ With Eye-One colour technology

² Based on internal HP light-fade testing on a range of HP media
Confirmation tests in progress at Wilhelm Imaging Research, Inc
See <http://www.hp.com/go/supplies/printpermanence>

³ HP's preliminary, internal results have shown successful simulation of over 80% of PANTONE® colours
HP Designjet Z3100 Photo Printer Series is pending PANTONE-licensing

⁴ Bronzing is eliminated as an image-quality issue when HP gloss enhancer is used on photo paper.

Series at a glance



HP Designjet Z3100 610 mm Photo Printer (Q5669A)

- Base model with 610 mm capabilities



HP Designjet Z3100 GP 610 mm Photo Printer (Q5669B)

- Base model plus 610 mm capabilities and the HP Advanced Profiling Solution Q6695A included in the box



HP Designjet Z3100 1118 mm Photo Printer (Q6659A)

- Base model with 1118 mm capabilities

Recommended accessories



Q6692B
HP-GL/2 Upgrade Kit for the HP Designjet Z2100/Z3100 Photo series



Q6643D
Efi Designer 5.1 for HP XL



Q6695A
HP Advanced Profiling Solution



Q6698A
HP Designjet Zx100 44 inch Spindle for Technical



Q6699A
HP Designjet Zx100 44 inch Spindle for Graphics



Q6700A
HP Designjet Zx100/T1100/T610 610 mm Spindle

Top 3 Accessories description



HP-GL/2 Upgrade Kit for the HP Designjet Z2100/Z3100 Photo series (Q6692B)

Improve line quality and reduce network traffic with the HP-GL/2 Upgrade Kit. The printer – rather than your computer – processes CAD files for improved operating efficiency. Store and reprint files from the printer queue and print legacy HP-GL/2 (PLT) files. This upgrade kit allows your HP Designjet to quickly offload complex files from your computer and network, reducing network traffic and improving operating efficiency.



Efi Designer 5.1 for HP XL (Q6643D)

The Efi Designer Edition 5.1 for HP is the recommended RIP for concept proofing applications produced on HP Designjet printers. It offers a powerful, yet cost-effective digital proofing system that allows full control over digital proofing needs to speed up workflows, saving both time and money. Together, Efi and HP enable creative professionals to easily generate proof-quality prints with sharp detail, colour accuracy and smooth tonal transitions.



HP Advanced Profiling Solution (Q6695A)

Profile and calibrate your entire colour management system. HP Advanced Profiling Solution works with printer's embedded spectrophotometer to simply and accurately profile any media of your choice. Included Eye-One screen calibrator calibrates your display. This solution allows you to create new and edit existing ICC profiles. You'll have more control of the variables as you generate custom profiles in different colour spaces with more colour targets for different illuminates.

Ordering information



HP Designjet Z3100 610 mm Photo Printer (Q5669A)

HP Designjet Z3100 610 mm Photo Printer, spindle, printheads (6 x 2 colours), introductory ink cartridges (x12), media high gloss photo sample roll (610 mm x 4.5 m), stand (610 mm), rear tray (610 mm), Adaptor Kit (3 inch) for spindle (2), quick reference guide, set-up poster, USB cable, power cord, free HP media sample kit, HP media swatchbook



HP Designjet Z3100 GP 610 mm Photo Printer (Q5669B) as Q5669A plus HP Advanced Profiling Solution



HP Designjet Z3100 1118 mm Photo Printer (Q6659A) as Q5669A plus 1118 mm capabilities

Accessories, Supplies and Support

Accessories

Q6692B	HP-GL/2 Upgrade Kit for the HP Designjet Z2100/Z3100 Photo series
Q6643D	Efi Designer 5.1 for HP XL
Q6695A	HP Advanced Profiling Solution
Q6698A	HP Designjet Zx100 44 inch Spindle for Technical
Q6699A	HP Designjet Zx100 44 inch Spindle for Graphics
Q6700A	HP Designjet Zx100/T1100/T610 610 mm Spindle

Supplies

C9459A	HP 70 130 ml Gloss Enhancer Ink Cartridge
C9390A	HP 70 130 ml Light Cyan Ink Cartridge with Vivera Ink
C9451A	HP 70 130 ml Light Grey Ink Cartridge with Vivera Ink
C9453A	HP 70 130 ml Magenta Ink Cartridge with Vivera Ink
C9454A	HP 70 130 ml Yellow Ink Cartridge with Vivera Ink
C9455A	HP 70 130 ml Light Magenta Ink Cartridge with Vivera Ink
C9457A	HP 70 130 ml Green Ink Cartridge with Vivera Ink
C9458A	HP 70 130 ml Blue Ink Cartridge with Vivera Ink
C9456A	HP 70 130 ml Red Ink Cartridge with Vivera Ink
C9448A	HP 70 130 ml Matte Black Ink Cartridge with Vivera Ink
C9449A	HP 70 130 ml Photo Black Ink Cartridge with Vivera Ink
C9450A	HP 70 130 ml Grey Ink Cartridge with Vivera Ink

Service & support

UF035A/E	HP Care Pack, Next Business Day On Site, 3 years
UF036A/E	HP Care Pack, Next Business Day On Site, 4 years
UF037A/E	HP Care Pack, Next Business Day On Site, 5 years
UF038A/E	HP Care Pack, 4 hour 9x5 Same Business Day On Site, 3 years
UF039A/E	HP Care Pack, 4 hour 9x5 Same Business Day On Site, 4 years
UF040A/E	HP Care Pack, 4 hour 9x5 Same Business Day On Site, 5 years
UF041A/E	HP Care Pack, 4 hour 13x5 Same Business Day On Site, 3 years
UF042A/E	HP Care Pack, 4 hour 13x5 Same Business Day On Site, 4 years
UF043A/E	HP Care Pack, 4 hour 13x5 Same Business Day On Site, 5 years
UF045PA/PE	HP Care Pack, 4 hour 13x5 Post Warranty, Same Business Day On Site, 1 year
UF046PA/PE	HP Care Pack, Post Warranty, Next Business Day On Site, 1 year
H4518E	HP Care Pack, Installation & Network Configuration

For a complete list of supplies, accessories and services, please refer to <http://www.hp.com>



Technical specifications

Print technology	HP Scalable Printing Technology		
Printhead nozzles	2112		
Print quality	Up to 2400 x 1200 optimised dpi from 1200 x 1200 input dpi with maximum detail selected		
Number of inks	Light Cyan, Magenta, Light Magenta, Yellow, Red, Green, Blue, Light Grey, Grey, Photo Black, Matte Black, Gloss Enhancer		
Ink types	HP Vivera pigment inks		
Ink drop size	4 pl (L, M, lg, pK, E, G), 6 pl (M, Y, mK, R, GN, B)		
Lightfastness	Approximately 200 years. Based on internal HP light-fade testing on HP Super Heavyweight Plus Matte Paper, HP Hahnemühle Smooth Fine Art Paper, HP Hahnemühle Watercolour Paper, HP Artist Matte Canvas. Display permanence rating by Wilhelm Imaging Research, Inc. on a range of HP creative and specialty media. For details refer to http://www.hp.com/go/supplies/printpermanence .		
Print speed	Economic quality: A1 colour image: 2.0 min/page (coated), 5.8 min/page (glossy). Productivity quality: A1 colour image: 4.2 min/page (coated), 7.9 min/page (glossy). Photo quality: A1 colour image: 9.8 min/page (coated), 15.0 min/page (glossy)		
Line	Line accuracy: +/- 0.2%. Minimum width: 0.0508 mm		
Print languages	HP PCL 3 GUI. Optional: HP GL2/RTL via Q6692A HP-GI/2 Upgrade Kit for the HP Designjet Z2100/Z3100 Photo Printer series		
Memory	Standard : 128 MB; maximum : 128 MB; Hard disk : Standard, 40 GB		
Print margins (mm)	Roll		Sheet
	top:	5 mm or borderless	5 mm
	bottom:	5 mm or borderless	14 mm
	left:	5 mm or borderless	5 mm
	right:	5 mm or borderless	5 mm
Media types	Sheet feed, roll feed, automatic cutter (cuts all media except canvas) Photographic paper (satin, gloss, semi-gloss, matte), proofing paper (high-gloss, semi-gloss, matte), fine art printing material (canvas, smooth, textured, watercolor), self-adhesive and vinyl (polypropylene, vinyl), sign and banner (display film, banner, scrim, polypropylene, Tyvek®, outdoor paper), backlit, bond and coated (bond, coated, heavyweight coated, super heavyweight coated)		
Media sizes	Standard: All standard sizes larger than A4		
Maximum media length	Roll: 91.4 m. Sheet: 1676.4 mm		
Maximum media width	DJ Z3100 610 mm: 610 mm; DJ Z3100 GP 610 mm: 610 mm; DJ Z3100 1118 mm: 1118 mm; DJ Z3100ps GP 610 mm: 610 mm		
Maximum print length	91 m (OS and application dependent)		
Media thickness	Up to 0.8 mm		
Recommended media weight	500 g/m ²		
Roll	Maximum diameter: 136 mm		
Media handling	Sheetfeed, roll feed, automatic cutter (cuts all media except canvas)		
Interface and connectivity	Optional: HP Jetdirect EIO print servers		
Control panel	240 x 160 pixel greyscale graphical display, 4 direct access buttons, 7 navigation buttons and 2 bicolour lights (Ready, Processing, Attention, Error)		
Drivers included	HP PCL 3 GUI driver, HP Color Center, HP Easy Printer Care Software		
Software	Printer drivers (HP PCL 3 GUI, HPGL2/RTL via HP GL2 Software accessory), HP Color Center, HP Easy Printer Care Software		
Operating systems compatibility	Windows® 2000, XP Home, XP Professional, XP Professional x64 Edition, Server 2003, Novell NetWare 5.x, 6.x, Mac OS 10.2 and higher, Citrix MetaFrame, Windows® Terminal Services. Latest driver upgrade information available on http://www.hp.com/designjet		
Network operating systems compatibility	Windows® 2000, XP Home, XP Professional, XP Professional x64 Edition, Server 2003, Novell NetWare 5.x, 6.x, Mac OS 10.2 and higher, Citrix MetaFrame, Windows® Terminal Services		
Minimum system requirements	Windows® 2000: Pentium® III processor, 256 MB RAM, 2 GB available hard disk space, 733 MHz; Windows® XP Professional: Pentium® IV processor, 512 MB RAM, 2 GB available hard disk space, 1 GHz. Mac G3 dual processor, 512 MB RAM, 1 GB available hard disk space		
Recommended system requirements	Windows® 2000: Pentium® III processor, 256 MB RAM, 2 GB available hard disk space, 733 MHz; Windows® XP Professional: Pentium® IV processor, 512 MB RAM, 2 GB available hard disk space, 1 GHz. Mac OS X v10.2, v10.3, v10.4 and later, PowerPC G4, G5, or Intel Core Processor, 1 GB Ram, 2 GB available hardware disk		
Power	Requirements: Input voltage: autoranging 100 to 240 VAC (+/- 10%), 50/60Hz (+/- 3 Hz), 2 amp maximum. Supply: Built-in universal power supply. Consumption: 200 watts maximum		
Dimensions (w x d x h)	Out of package: DJ Z3100 610 mm: 1262 x 732 x 1047 mm; DJ Z3100 GP 610 mm: 1262 x 732 x 1047 mm; DJ Z3100 1118 mm: 1770 x 732 x 1047 mm; DJ Z3100ps GP 610 mm: 1262 x 732 x 1047 mm. Packaged: DJ Z3100 610 mm: 1470 x 780 x 740 mm; DJ Z3100 GP 610 mm: 1470 x 780 x 740 mm; DJ Z3100 1118 mm: 1960 x 775 x 600 mm; DJ Z3100ps GP 610 mm: 1470 x 780 x 740 mm		
Weight	Out of package: DJ Z3100 610 mm: 65 kg; DJ Z3100 GP 610 mm: 65 kg; DJ Z3100 1118 mm: 86 kg; DJ Z3100ps GP 610 mm: 65 kg. Packaged: DJ Z3100 610 mm: 102 kg; DJ Z3100 GP 610 mm: 102 kg; DJ Z3100 1118 mm: 123 kg		
Operating environment	Operating temperature: 5 to 40°C. Recommended operating temperature: 15 to 35°C. Operating humidity: 20 to 80% RH. Operating humidity recommended: 20 to 80% RH. Storage temperature: -20 to 55° C. Storage humidity: 0 to 95% RH. Noise level per ISO 9296: sound power: LwAd 6.5 B(A). Sound pressure: LpAm 49 dB(A)		
Certifications	Compliance for Class B products: EU (EMC Directive), USA (FCC rules), Canada (DoC), Australia (ACA), New Zealand (MoC), China (CCC), Japan (VCCI), Korea (MIC) and Taiwan (BSMI).. Regulatory standards: IEC 60950-1 compliant, EU LVD and EN 60950-1 compliant, certified by CSA for Canada and US, Argentina IRAM, Singapore PSB, Russia GOST, China CCIB, Taiwan BSMI.		
Warranty	Standard Warranty: One year next business day onsite support. 1 year Warranty Extension (next business day onsite support or same business day onsite support with 4 hours response), 3 year HP Care Pack (Two options: next day onsite support, same business day onsite support with 4 hours response), basic installation, setup and network		

<http://www.hp.com/uk> <http://www.hp.com/go/designjet>



Graphic Arts Solutions
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Brilliant, Enduring Colours



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